from Trading Places

#1 Short Haul Air Transportation System - performs truck and rail road function (because emerging markets leap frog past ground infrastructure); need no be compatible with "legacy infrastructure"; short runway capability; cheap infrastructure support; highly reliable; modular reconfigurable; low ownership and operating cost.

	 Why This Score?	Rewrite for a Better Fit?
Pushing the Envelope	Fully compatible.	Only difference is that an short haul system would have to be compatible with the existing system.
Grounded	Commercial applications low, but fits for military needs, some special vehicles	
Regional Tensions	Fit.	To address need to bolster intra-regional transport needs.
Environmentally Challenged	Need in relevant but approach doesn't work.	

from Trading Places

#2 Long Haul - A: subsonic - harmonized ATC, high capacity, fun, comfortable; B: supersonic - might be a market, small aircraft.

	Why This Score?	Rewrite for a Better Fit?
Pushing the Envelope	Subsonic fits, but need a SST in this world for speed and convenience.	Add large SST and faster subsonic.
Grounded - A: Large Subsonic	Eliminate large subsonic component.	
Grounded B: Small Supersonic	Direct compatibility with small supersonic.	
Regional Tensions	No need for large subsonic.	Bolster need for supersonic and maybe larger capacity.
Environmentally Challenged	Need big aircraft, but has to be no frills.	

Opportunities & Needs from Trading Places

#3 Aircraft that do not require airports - to accommodate lacking airports in emerging markets.

	Why This Score?	Rewrite for a Better Fit?
Pushing the Envelope	Passengers want and can afford the airport infrastructure.	
Grounded	World needs fast in/out, but for smaller aircraft, "SOF" aircraft.	Prefect for need for personal aircraft, not cargo.
Regional Tensions	Some need identified.	To expand markets in undeveloped countries.
Environmentally Challenged	No fit, no need.	

from Trading Places

#4 Reconfigurable air transport products - flexibility that supports passenger, cargo and customized performance to address lack of infrastructure; design for disassembly, modularity, open architecture, long service life; address diverse manufacturing in Asia and need for different aircraft types.

	Why This Score?	Rewrite for a Better Fit?
Pushing the Envelope	Excellent match!	For highly consumer and customer responsive aircraft.
Grounded	Not an issue in this world.	
Regional Tensions	Picks up on needs identified.	Discuss enablers.
Environmentally Challenged	Some need for reconfigurability but can't afford to be as flexible as Trading Places.	Rewrite to consider fuel cost implications of flexibility.

from Trading Places

#5 Safety, Increased Traffic Requires Safety Improvements that are Acceptable to Middle Class Asia World - smart systems, integrated total system with minimal reliance on regulation and specialized support and operation (minimize need for trained pilots); self diagnostics utilized for safety; short haul to redefine approaches to safety.

	Why This Score?	Rewrite for a Better Fit?
Pushing the Envelope	Needs all this, real need to reduce accident rates.	
Grounded	Close hit on general aviation concept.	As applied to general aviation and terrorism avoidance first.
Regional Tensions	High degree of overlap, these technologies relevant.	
Environmentally Challenged	Some technologies help save fuel.	Focus on need to save fuel, not safety. Address China leap frogging issue. Smart systems to maximize fuel utilization.

from Trading Places

#6 Air Transportation System Integration - improve performance in airports, aircraft, maintenance, spares (depot), ATC, other modes of transportation; information systems integration; data link with communication satellites for all aircraft systems.

	1	Why This Score?	Rewrite for a Better Fit?
Pushing the Envelope		Perfect fit.	No need to rewrite.
Grounded		Need to avoid large hub-and-spoke airports, need point-to-point.	Address need for point-to-point and support for small planes.
Regional Tensions		Relevant need.	
Environmentally Challenged		Helps conserve CO ₂ .	Rewrite to increase system efficiencies for fuel conservation.

Opportunities & Needs from Trading Places

#7 Technical Excellence in Aircraft Manufacturing - need driven responsive research that can be implemented rapidly; virtual factories; automation replaces specialized operations; customized for Asian applications.

	Why This Score?	Rewrite for a Better Fit?
Pushing the Envelope	Good match.	Address need for short cycle times through better modeling.
Grounded	Fits well with weird nature of world, high technology orientation.	Different applications to address security issues and technology to utilize sophisticated information systems.
Regional Tensions	Identical need identified.	To achieve regional superiority.
Environmentally Challenged	Is "motherhood" in all worlds, but some fuel savings can be realized.	